PROFESSIONAL SERVICES

MULTIPLE CONSULTANT CONTRACT WORK ORDERS OVER $50K

19. Approve Work Order #20 – Anchor Road Stormwater Improvements under contract PS-5165-04/AJR – Master Agreement for Continuing Professional Services – Public Works Minor Construction Projects under $1M – to Inwood Consulting Engineers, Inc. of Oviedo ($89,942.31)

Work Order #20 will provide engineering services for the design, permitting, and preparation of construction plans to solve numerous flooding problems along Anchor Road. Services will include preparation of legal sketches and descriptions of drainage easements needed to provide regular maintenance of the area's existing outfall system. The preliminary cost estimate for construction is $450,000.00.

The six firms on contract PS-5165-04/AJR (WBQ, PEC, Inwood, Keith & Schnars, Metric and HDR) were contacted for proposals with PEC, Inwood and Metric responding. The Public Works evaluation team, consisting of Roland Raymundo, PE.; Bob Walter, PE; and Ed Torres, PE; evaluated the proposals and selected Inwood Consulting Engineers based on the following evaluation criteria: Technical Issues & Approach, Completeness of Proposal, and Adequate Resources Proposed. The work order will run until one year after completion of the construction. The amount of the work order is $89,942.31.

Funds are available in account number 077641.560680, CIP 2091-02. Public Works/Road-Stormwater Division and Fiscal Services/Purchasing and Contracts Division recommend that the Board approve and authorize the County Manager to execute the Work Order.

Board of County Commissioners
SEMINOLE COUNTY, FLORIDA

WORK ORDER

Work Order Number: 20

Master Agreement No.: **PS-5165-04/AJR** Dated: November 11, 2004
Contract Title: **Master Agreement for Continuing Professional Services**
Project Title: **Anchor Road Stormwater Improvements**

Consultant: Inwood Consulting Engineers, Inc.
Address: 870 Clark Street
Oviedo, Florida 32765

ATTACHMENTS TO THIS WORK ORDER:
- [ ] drawings/plans/specifications
- [X] scope of services
- [ ] special conditions
- [ ] _____

METHOD OF COMPENSATION:
- [X] fixed fee basis
- [ ] time basis-not-to-exceed
- [ ] time basis-limitation of funds

TIME FOR COMPLETION: The services to be provided by the CONTRACTOR shall commence upon execution of this Agreement by the parties and shall be completed within One (1) year after completion of construction. Failure to meet the completion date may be grounds for Termination for Default.

Work Order Amount: Eighty Nine Thousand Nine Hundred Forty Two and 31/100 DOLLARS ($89,942.31)

IN WITNESS WHEREOF, the parties hereto have made and executed this Work Order on this _____ day of _____, 20____, for the purposes stated herein. (THIS SECTION TO BE COMPLETED BY THE COUNTY)

Inwood Consulting Engineers, Inc.

ATTEST:

_____
, Secretary

(CORPORATE SEAL)

By: _____
, President

Date: _____

BOARD OF COUNTY COMMISSIONERS
SEMINOLE COUNTY, FLORIDA

WITNESSES:

_____
(Contracts Analyst, print name)

By: _____
J. Kevin Grace, County Manager

Date: _____

_____
(Contracts Analyst, print name)

As authorized for execution by the Board of County Commissioners at their , 20____ regular meeting.

OP #13008

WORK ORDER
TERMS AND CONDITIONS

a) Execution of this Work Order by the COUNTY shall serve as authorization for the CONSULTANT to provide, for the stated project, professional services as set out in the Scope of Services attached as Exhibit "A" to the Master Agreement cited on the face of this Work Order and as further delineated in the attachments listed on this Work Order.

b) Term: This work order shall take effect on the date of its execution by the County and expires upon final delivery, inspection, acceptance and payment unless terminated earlier in accordance with the Termination provisions herein.

c) The CONSULTANT shall provide said services pursuant to this Work Order, its Attachments, and the cited Master Agreement (as amended, if applicable) which is incorporated herein by reference as if it had been set out in its entirety.

d) Whenever the Work Order conflicts with the cited Master Agreement, the Master Agreement shall prevail.

e) METHOD OF COMPENSATION - If the compensation is based on a:

(i) FIXED FEE BASIS, then the Work Order Amount becomes the Fixed Fee Amount and the CONSULTANT shall perform all work required by this Work Order for the Fixed Fee Amount. The Fixed Fee is an all-inclusive Firm Fixed Price binding the CONSULTANT to complete the work for the Fixed Fee Amount regardless of the costs of performance. In no event shall the CONSULTANT be paid more than the Fixed Fee Amount.

(ii) TIME BASIS WITH A NOT-TO-EXCEED AMOUNT, then the Work Order Amount becomes the Not-to-Exceed Amount and the CONSULTANT shall perform all the work required by this Work Order for a sum not exceeding the Not-to-Exceed Amount. In no event is the CONSULTANT authorized to incur expenses exceeding the not-to-exceed amount without the express written consent of the COUNTY. Such consent will normally be in the form of an amendment to this Work Order. The CONSULTANT's compensation shall be based on the actual work required by this Work Order and the Labor Hour Rates established in the Master Agreement.

(iii) TIME BASIS WITH A LIMITATION OF FUNDS AMOUNT, then the Work Order Amount becomes the Limitation of Funds amount and the CONSULTANT is not authorized to exceed the Limitation of Funds amount without prior written approval of the COUNTY. Such approval, if given by the COUNTY, shall indicate a new Limitation of Funds amount. The CONSULTANT shall advise the COUNTY whenever the CONSULTANT has incurred expenses on this Work Order that equals or exceeds eighty percent (80%) of the Limitation of Funds amount. The CONSULTANT's compensation shall be based on the actual work required by this Work Order and the Labor Hour Rates established in the Master Agreement.

f) Payment to the CONSULTANT shall be made by the COUNTY in strict accordance with the payment terms of the referenced Master Agreement.

g) It is expressly understood by the CONSULTANT that this Work Order, until executed by the COUNTY, does not authorize the performance of any services by the CONSULTANT and that the COUNTY, prior to its execution of the Work Order, reserves the right to authorize a party other than the CONSULTANT to perform the services called for under this Work Order; if it is determined that to do so is in the best interest of the COUNTY.

h) The CONSULTANT shall sign the Work Order first and the COUNTY second. This Work Order becomes effective and binding upon execution by the COUNTY and not until then. A copy of this Work Order will be forwarded to the CONSULTANT upon execution by the COUNTY.

ANCHOR ROAD STORMWATER IMPROVEMENT PROJECT

Project Understanding - This important project seeks to solve many ***drainage and water quality problems*** associated with Anchor Road from Plumosa Street south to SR 436. This is a very complex project with many constraints and jurisdictional issues. Inwood has engaged in significant effort reviewing documents from the County, FDOT, & Casselberry, conducting field investigations, and interviewing people. Key investigation and problem points are summarized below and on the attached Project Plan figure:

A. The project area drains to the ditch along the east side of the roadway which outfalls into the SR 436 storm sewer system which in turn outfalls into Grassy Lake. The outfall occurs through a 24" RCP and intermingles with SR 436 runoff.
B. The study area is within the Lake Prairie Outfall subbasin as defined in the Gee Creek Basin Master Plan study by SAI in the mid-1990s. This study pointed out several maintenance issues (clogged pipes/DBIs) as well as modeled flooding LOS deficiencies in the Anchor Road outfall ditch in the vicinity of the Live Oak Center.
C. Chronic flooding and maintenance issues have plagued the County over the last 10 years along the roadway and have impacted drainage facilities in the County R-O-W and properties within Casselberry near Orange Lane, Melody Lane, and Concord Road (clogged inlets, poor grading, dilapidated pipes, low areas with no outfall, clogged pond skimmers). Erosion of the roadside is prevalent in many locations.
D. The flooding problems are suspected to be promoted by high tailwater conditions in the east roadway ditch, which are likely caused by high invert to and limited capacity in the SR 436 receiving system (the only outfall).
E. The deep open ditch section from Oak Street to Live Oak Boulevard is very close to the roadway and represents a safety hazard (see photo below). The stagnant water collects trash and is an aesthetic nuisance. Low areas along the east bank of the ditch allow water to overtop to adjacent properties and wetland areas in Casselberry.
F. There is currently no significant water quality treatment for Anchor Road runoff. The three ponds that treat runoff from the CDBG residential areas to the west of Anchor Road outfall into the ditch described above.
G. A sidewalk construction project was recently completed along the west side of Anchor Road.
H. Portions of this project analysis may overlap that of the Pearl-Prairie Lake Outfall Project being proposed on as a separate project.

East Roadside Ditch – Steep & Deep | CDBG Wet Pond near Oak Street | Flooding area south of Orange Lane

Project Goals - It is understood that the County wishes to complete a drainage master study *and* improvement design effort for the roadway corridor. Based on the foregoing, **Inwood will focus on meeting the following goals:**

1. Provide a solution for **improving drainage and eliminate flooding** along the road and associated side streets;
2. Develop a solution for providing **water quality treatment** for project area runoff; and
3. Provide means for County to have a **safe drainage system with low maintenance requirements.**

Flood Reduction Solution Concepts - Inwood has developed solution concepts to focus on during the project (also see figure):

a) The drainage infrastructure along Anchor Road south of Orange Lane must be replaced. Due to the traffic level, limited R-O-W, and poor soils, roadside swales would not be considered effective and would continue the erosion of the road edge. The best scenario would be to curb and gutter the roadway to inlets and install a closed storm sewer system along the east side of the roadway (sidewalk can also be considered). The elimination of the open ditch between Oak Street and Depugh Street would eliminate the safety hazard as well as eliminate any overtopping to the east (see water quality note e) below). Storm sewer design would meet 10 year / 24 hr storm LOS.
b) In order to allow for positive drainage of the areas near Melody Lane and north, the tailwater of the system would need to be reduced. Modifying the piped outfall across SR 436 would be expensive and require FDOT coordination. A more cost effective solution may be to secure easements from Anchor Road either directly to Grassy Lake between the McDonalds and Live Oak Center, or along the north of Live Oak Center with tie into the existing outfall system coming from Ball Park Road through Live Oak Center. Additional structures would be necessary but would be far easier construction than impacting SR 436. The outfall system design would meet 25 year / 24 hr storm LOS.
c) With the increased conveyance along Anchor Road, additional attenuation will be necessary. This can be accomplished through reconfiguration of the CDBG ponds. The outfalls can be modified and the ponds interconnected and expanded into the adjacent vacant parcels to provide the additional storage. The dry pond between Dunbar and Oak Street could be converted to a wet pond and serve as the regional outfall pond for the system. Pond design would meet 25 year / 24 hr LOS.
d) An evaluation of the problem area south of Orange Lane would be conducted to determine if sufficient fall would exist to the proposed Anchor Road pipe system to tie in a small swale or DBI and pipe for positive drainage (easement required).
e) For the areas north of the drainage divide near Oleander Way up to Plumosa Street, an evaluation could be made for available fall and capacity to work these areas back to the south. Otherwise, it is feasible to acquire a vacant parcel for a wet pond for attenuation and managed discharge for this area to Lake Lotus (current discharge location). Several other small areas and offsite drainage issues will also be addressed (see figure).
f) ICPR will be used to model the project drainage system to allow both the proposed pipe and pond systems to be evaluated and LOS determined. The Gee Creek Model will be utilized for this, with modifications added within the project area where additional survey details will be available. The modifications will include the Anchor Road area, CDBG pond systems, Orange Lane / Ball Park Road system including the outfall through Live Oak Center. Elevations at the Grassy Lake Outfall will be confirmed and modified if necessary. Tailwater will be taken at the boundary point to the Triplet Lake Subbasin. The contributing areas to Grassy Lake from Lakes Prairie and Pearl will be taken from the Gee Creek Model, with any necessary modifications based on the separate improvement project for that system's outfall.

Water Quality Improvement Concepts – Inwood has evaluated areas to focus on during the project (also reference figure):

a) No significant water quality treatment exists for Anchor Road at present prior to discharge into Grassy Lake. The roadside is unimproved and erosion creates significant sediment transport into the ditch which also collects trash. Use of widespread swales appears impractical (see flood reduction note a) above) and infiltration techniques are not feasible due to poor soils and high groundwater.

b) The CDBG ponds treating runoff from the west do not appear to function as designed. The underdrain systems are likely clogged and have limited outfall due to the high tailwater in the receiving ditch on Anchor Road. This acts to reduce recovery and available treatment volume. The utilization of these ponds for treatment for a proposed Anchor Road system would be beneficial due to their location; however modifications would be needed for additional storage to provide appropriate additional treatment volumes. The large dry pond could be converted to wet for additional benefit. Interconnection and expansion of the pond areas onto adjacent vacant parcels would address these needs.

c) The northern segment of the project near Oleander, Concord and Plumosa Street also has no significant treatment and would likely need a separate treatment facility to improve the quality of runoff entering Lake Lotus.

d) Since the Gee Creek Basin is a tributary to Lake Jesup, additional water quality treatment would benefit TMDL allocations for that water body.

e) The wetland to the east of Anchor Road near the Sunnytown Park receives overtopping runoff from the road ditch during the wet season contributing to the overall hydration of the wetland. If the Anchor Road ditch is replaced with a pipe system, this reduction in flow to the wetland should be checked to confirm no negative impacts to wetland hydroperiod.

Permitting Issues – SJRWMD permitting should involve a ***Standard General Permit*** (because of surface water/wetland impacts a Stormwater Standard General permit would not be applicable). The project should not be large enough to trip the Individual Permit threshold (i.e., > 100 acres). Most of the work would be performed in upland area. Modifications in the outfall to Grassy Lake and/or utilization or impacts to the wetlands to the east near Sunnytown Park will require ***environmental assessment*** and jurisdictional determination to evaluate wetland/surface water limits, SHWE/NWL's, and potentially hydroperiod analysis. These issues will be confirmed in a pre-application meeting with SJRWMD at the 30% design stage.

Jurisdictional / Right-of-Way Issues - Most of the property to the east of Anchor Road is within the ***City of Casselberry***. Many of the problems attributed to Anchor Road either impact the City or manifest themselves there. Conversations Inwood has had with Joe Howell of the City have indicated interest in improvements in the area and a willingness to cooperate with improvements which may cross jurisdictional lines. Coordination meetings will be necessary. Any modifications to the outfall near SR 436 would also require coordination with the FDOT and possibly Altamonte Springs. ***Private property*** issues are also key in the project. The primary example is the flooding of the properties along the south side of Orange Avenue. Neither the County or City can legally access the properties to relieve the flooded depressional area, and previous dealings with the warehouse owner to the south to modify their drainage have been unsuccessful. Capacity would likely exist either in the Anchor Road system or in the City's storm sewer on Orange Lane to accommodate this water if easements could be obtained and the area drained properly.

Project Constraints - ***Poor soils and high water table*** in the area will inhibit drainage solutions relying on infiltration, so solutions must focus on storage and conveyance. The ***tailwater issue*** must be addressed through improving the existing outfall and/or providing an alternate outfall path to Grassy Lake so that the outfall system can provide sufficient positive outfall to remedy the upstream sections. ***Utilities*** will dictate extreme care in design layout, particularly on the west side of Anchor Road and near SR 436 where overhead power lines and buried telephone, cable, and gas lines are located.

Project Deliverables - As requested in your RFP, Inwood will provide the following deliverable:

- Preliminary Technical Memorandum Report (Draft and Final) with modeling results and alternative recommendations
- Preliminary (30%) Plans (based on selected improvement alternative)
- Permitting Application Documents
- 90% Plans (including layout, drainage map, P&P, x-sections, details, erosion control, SWPPP, MOT, utility conflicts, etc.)
- Final Plans (signed and sealed with electronic deliverables) with subsequent construction support services

Project Team and Roles - **The *Inwood Team*** includes the following key individuals with extensive experience in stormwater retrofit projects. All are **very familiar with all aspects** of the study, permitting, design, and construction process.

- *David Coleman, P.E.* – Project Manager – 15 years – Principal (30+ stormwater retrofit projects completed)
- *Mark Ellard, P.E.* – Senior Project Engineer – 15 years – 100% stormwater dedicated (30+ stormwater retrofit projects completed)
- *Steve Sommerfeldt, E.I.* – Engineering Intern – 3+ years – 100% stormwater dedicated (plus 3 other full time stormwater staff for support)

Our ***Subconsultants*** have extensive experience with stormwater retrofit projects, and their scopes are intended to cover all the requested survey and analysis and will ***meet all needs*** of the study/design project up front limiting the need for later change orders.

- ***Southeastern Surveying and Mapping Corporation:*** Responsible for construction level topo survey of Anchor Road from Plumosa to SR 436 & side streets & pond sites (existing and proposed), identification of property lines/easements in project area, drainage structure details in including the outfall system and key Live Oak Center structures, survey of utilities (incl. subsurface), geotech/environmental locations, and prepare legal sketches for any property/easement acquisitions.
- ***Geotechnical and Environmental Consultants:*** Responsible for subsurface characterization, muck identification, seasonal high groundwater determination, pond site suitability determination, bank stability analysis, and constructability recommendations.
- ***Lotspeich and Associates:*** Cursory land use analysis for wetland / surface water delineation, SHWE/NWE determination, flagging of wetland/surface water limits for construction plans and permitting impacts, and identify presence of endangered species.

Project Schedule - Inwood is ready to start as soon as the County issues notice to proceed with staff manpower available. The estimated schedule is as follows with a total projected length of approximately 1 year:

➢ Completion of field inventory and survey work	1 month from Notice to Proceed (NTP)
➢ Development of Preliminary Technical Memo	3 months from NTP
➢ Development of 30% plans	4 months from NTP
➢ Coordinate with SJRWMD for permitting	6 months from NTP
➢ Prepare 90% plans	9 months from NTP
➢ Prepare final plans	11 months from NTP

MANHOUR AND FEE PROPOSAL (rev1)

Project Name: **Anchor Road Stormwater Improvement Project**
Name of Firm: **Inwood Consulting Engineers, Inc.**

Date: 05/06/05
Contract: PS-5165-04

		Project Manager		Senior Engineer		Project Engineer		CADD Drafter		Clerical Assistant		Basic	Man-hours	Average
		Rate =	$39.10 ✓	Rate =	$36.40 ✓	Rate =	$27.80 ✓	Rate =	$17.50 ✓	Rate =	$15.50 ✓	Activity	by	Hourly
	Activity	Man-hours	Cost	Man-hours	Cost	Man-hours	Cost	Man-hours	Cost	Man-hours	Cost	Amount	Activity	Rate
	TASK 1 - DATA COLLECTION / DATA REVIEW													
1.1	Site Inspection and Data Collection / Review	1	$39	4	$146	8	$222	0	$0	1	$16	$423	14	$30.19
1.2	Coordination Meetings (Casselberry, FDOT, etc.)	2	$78	4	$146	4	$111	0	$0	0	$0	$335	10	$33.50
	TASK 2 - FIELD INVESTIGATION AND SURVEYS													
2.1	Field Inspection and Infrastructure Assessment	0	$0	4	$146	8	$222	0	$0	0	$0	$368	12	$30.67
2.2	Coordinate Geotech. / Survey / Environmental Field Work	1	$39	4	$146	0	$0	0	$0	1	$16	$200	6	$33.37
2.3	Compile Investigation Data and Generate Base Mapping	0	$0	4	$146	24	$667	4	$70	1	$16	$898	33	$27.22
	TASK 3 - HYDROLOGIC & HYDRAULIC ANALYSIS / ENGINEERING ANALYSIS AND DESIGN													
3.1	Existing Conditions Analysis	2	$78	4	$146	40	$1,112	0	$0	0	$0	$1,336	46	$29.04
3.2	Develop Conceptual Corrective Actions	4	$156	8	$291	32	$890	4	$70	0	$0	$1,407	48	$29.32
3.3	Prepare Technical Memorandum and Design (30%) Concept Figures	4	$156	8	$291	40	$1,112	16	$280	2	$31	$1,871	70	$26.72
3.4	Status Meeting No. 1 (Attend and minutes)	1	$39	2	$73	3	$83	0	$0	0	$0	$195	6	$32.55
	TASK 4 - ENVIRONMENTAL AND REGULATORY PERMITTING													
4.1	Pre Application Meeting with SJRWMD	2	$78	2	$73	2	$56	0	$0	0	$0	$207	6	$34.43
4.2	Prepare Permit Application and Documentation to SJRWMD & ACOE	4	$156	8	$291	32	$890	4	$70	2	$31	$1,438	50	$28.76
4.3	Respond to Two Requests for Additional Information from Each	2	$78	2	$73	8	$222	2	$35	1	$16	$424	15	$28.26
	TASK 5 - FINAL ENGINEERING DESIGN													
5.1	90% Design Plans Preparation	8	$313	40	$1,456	80	$2,224	40	$700	0	$0	$4,693	168	$27.93
5.2	Status Meeting No. 2 (Attend and minutes)	1	$39	2	$73	3	$83	0	$0	0	$0	$195	6	$32.55
5.3	100% Design Plans Preparation	2	$78	4	$146	32	$890	8	$140	0	$0	$1,253	46	$27.25
5.4	Status Meeting No. 3 (Attend and minutes)	1	$39	2	$73	3	$83	0	$0	0	$0	$195	6	$32.55
5.5	Final Deliverables	1	$39	1	$36	4	$111	0	$0	2	$31	$218	8	$27.21
	TASK 6 - LIMITED CONSTRUCTION ADMINISTRATION SERVICES													
6.1	Prepare Technical Provisions for Construction	1	$39	1	$36	2	$56	0	$0	1	$16	$147	5	$29.32
6.2	Pre-Construction Meeting	1	$39	1	$36	0	$0	0	$0	0	$0	$76	2	$37.75
6.3	Review shop Drawings	1	$39	1	$36	0	$0	0	$0	0	$0	$76	2	$37.75
	TOTALS	**39**	**$1,524.90**	**106**	**$3,858.40**	**325**	**$9,035.00**	**78**	**$1,365.00**	**11**	**$170.50**	**$15,953.80**	**559**	
	Percent Breakdown	7%	10%	19%	24%	58%	57%	14%	9%	2%	1%		100%	

SUBCONSULTANTS (M/WBE)		Amount *	Percentage
(1) Survey - Southeastern Surveying and Mapping	$	28,053.77	31.2%
(2) Geotechnical - Geotechnical and Environmental Consultants	$	11,203.00	12.5%
(3) Environmental - Lotspeich and Associates	$	3,978.12	4.4%
Totals:	**$**	**43,234.89**	**48.1%**

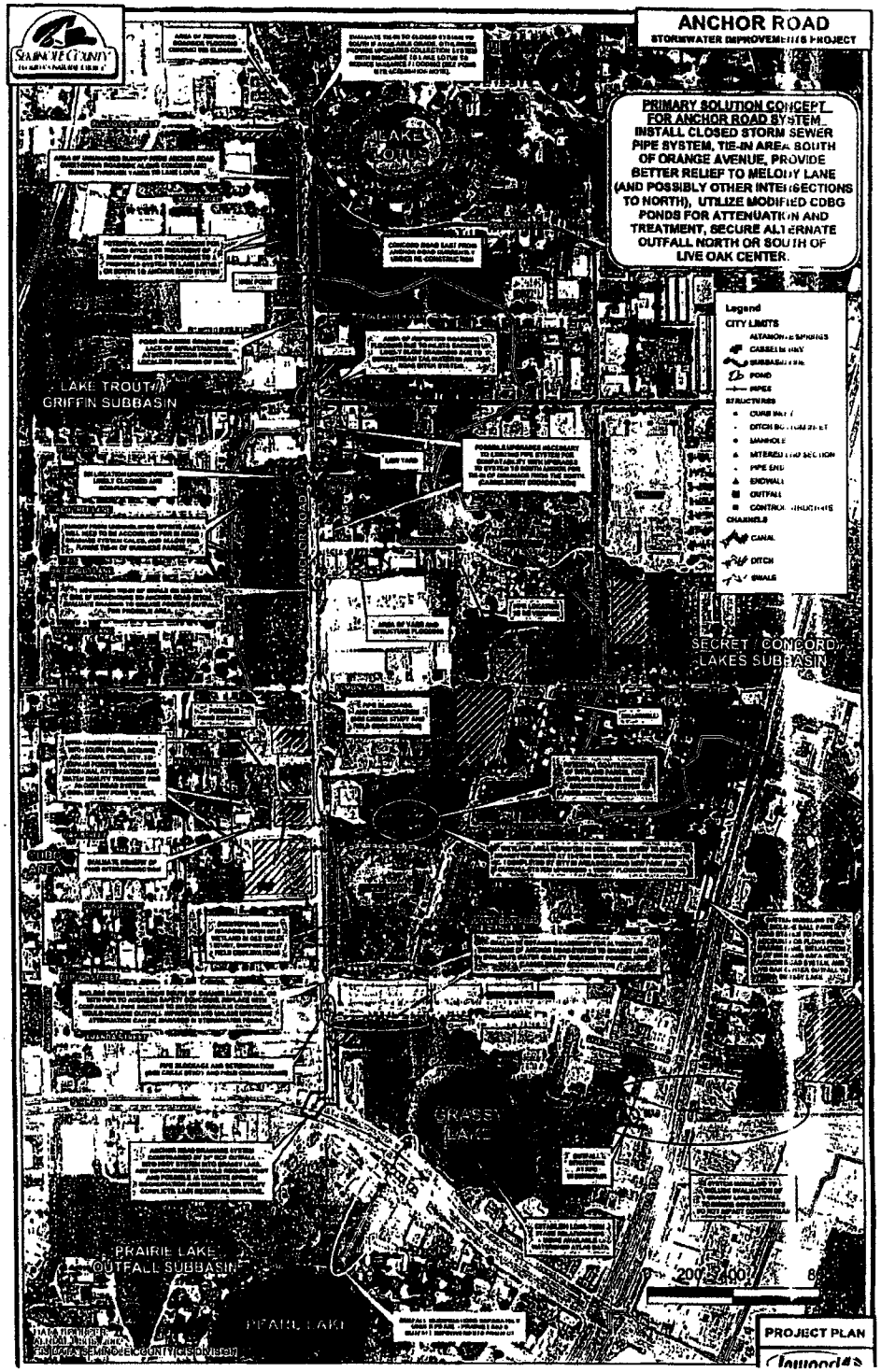
* Subconsultant Fee Proposals provided upon request

CONSULTANT PROJECT ASSIGNMENTS

Project Manager: D. Coleman, P.E.
Senior Engineer: M. Ellard, P.E.
Project Engineer: S. Sommerfeldt, E.I.
Cadd Drafter: G. Panaccione
Clerical Assistant: A. Price

TOTAL LUMP SUM FEE COMPUTATIONS

(1) Salary Cost (from above)				
Task 1	Task Subtotal:	$758	4.7%	
Task 2	Task Subtotal:	$1,467	9.2%	
Task 3	Task Subtotal:	$4,809	30.1%	
Task 4	Task Subtotal:	$2,069	13.0%	
Task 5	Task Subtotal:	$6,555	41.1%	
Task 6	Task Subtotal:	$298	1.9%	
	Salary Cost Total:	**$15,954**		
Contract Labor Multiplier (2.9)	x	2.900		
Subtotal (Salary and Overhead)	=	**$46,266.02**	51.4%	
(2) Out-of-Pocket Expenses	+	**$441.40**	0.5%	
(3) Subtotal (Consultant's Fees)	=	**$46,707.42**	51.9%	
(4) Subconsultant's Fees	+	**$43,234.89**	48.1%	
Proposed Total Lump Sum Fee	=	**$89,942.31**		


ANCHOR ROAD
STORMWATER IMPROVEMENTS PROJECT
PRIMARY SOLUTION CONCEPT FOR ANCHOR ROAD SYSTEM
INSTALL CLOSED STORM SEWER PIPE SYSTEM, TIE-IN AREA SOUTH OF ORANGE AVENUE, PROVIDE BETTER RELIEF TO MELODY LANE (AND POSSIBLY OTHER INTERSECTIONS TO NORTH), UTILIZE MODIFIED CDBG PONDS FOR ATTENUATION AND TREATMENT, SECURE ALTERNATE OUTFALL NORTH OR SOUTH OF LIVE OAK CENTER.
Legend
CITY LIMITS
LAKE TROUT/GRIFFIN SUBBASIN
SECRET/CONCORD/LAKES SUBBASIN
GRASSY LAKE
PRAIRIE LAKE OUTFALL SUBBASIN
PRAIRIE LAKE
200' 200'
PROJECT PLAN

PS-5165-04
w/o #20

Seminole County Stormwater Division

Anchor Road Stormwater Improvement Project

CIP # 2091_02

Evaluation Form

		WBQ	PEC ✓	INWOOD ✓	KEITH	METRIC ✓	HDR
Total Manhours (adequate manhours for job, not cost)		N.A.	3	4	N.A.	4	N.A.
Completeness of Proposal		N.A.	3	4	N.A.	4	N.A.
Technical Issues & Approach		N.A.	3	5	N.A.	3	N.A.
			(3)	(0)		(2)	
Total Score			9	13		11	

* Individual categories to be scored 1 to 5, with 5 being the best score per category.

Evaluator: Roland Raymundo

Date: 4.27.05

Comments: InWood submitted a complete proposal with a good understanding of the problems and a better approach to resolve numerous drainage issues & concerns in the area.

PS-5165-04
W/O # 20

Seminole County Stormwater Division

Anchor Road Stormwater Improvement Project

CIP # 2091_02

Evaluation Form

	WBQ	PEC	INWOOD	KEITH	METRIC	HDR
Total Manhours (adequate manhours for job, not cost)	N.A.	4	4	N.A.	4	N.A.
Completeness of Proposal	N.A.	3	5	N.A.	3	N.A.
Technical Issues & Approach	N.A.	4	4	N.A.	3	N.A.
Total Score		11	13		10	

* Individual categories to be scored 1 to 5, with 5 being the best score per category.

Evaluator: Robert J Wabb

Date: 4/27/05

Comments: Inwood has done a lot of upfront work and understands the project... clear scope.

PS-5165-04
w/o #20

Seminole County Stormwater Division

Anchor Road Stormwater Improvement Project

CIP # 2091_02

Evaluation Form

	WBQ	PEC	INWOOD	KEITH	METRIC	HDR
Total Manhours (adequate manhours for job, not cost)	N.A.	3	5	N.A.	3	N.A.
Completeness of Proposal	N.A.	2	5	N.A.	3	N.A.
Technical Issues & Approach	N.A.	3	5	N.A.	3	N.A.
Total Score		8 (3)	15 (1)		9 (2)	

* Individual categories to be scored 1 to 5, with 5 being the best score per category.

Evaluator: _____

Date: 4/27/05

Comments: INWOOD PROVIDED THE MOST COMPLETE PROPOSAL AND PRESENTED A GOOD UNDERSTANDING OF THE COUNTY'S NEEDS. PEC PRESENTED A PHASED APPROACH WHICH WOULD WORK, BUT IT WOULD AFFECT OUR TIMING CONSIDERABLY AND PROPOSED ADDITIONAL LAND ACQUISITION WHICH WE WOULD PREFER NOT TO GET INTO (TIME AND $). METRIC HAD ADDRESSED MOST ISSUES, BUT IT DID NOT SEEM TO HAVE ADEQUATE HOURS TO HANDLE THE ENTIRE PROJECT.